

[INCH-POUND]  
A-A-59440/8  
13 August 1999  
SUPERSEDING  
MS35930B  
28 September 1973

## COMMERCIAL ITEM DESCRIPTION SPECIFICATION SHEET

### COCK, PLUG, SPRING KEY, THREADED TYPE, 50 P.S.I.

The General Services Administration has authorized the use of this Commercial Item Description Specification Sheet for all federal agencies.

The complete requirements for procuring the cocks described herein shall consist of this document and the latest issue in effect of A-A-59440.

1. **SCOPE.** This commercial item description specification sheet covers the requirements for cocks, plug: spring key, threaded type, 50 PSIG in nominal sizes of 1/8 inch through 1/2 inch NPTF.

2. **CLASSIFICATION.** The characteristics of the cocks are contained in the schematics and charts found herein. The charts list the dash numbers that are included in the Part Identification Number (PIN) for the various styles of cocks.

#### 3. SALIENT CHARACTERISTICS.

3.1 General. All cocks shall meet the requirements of Commercial Item Description A-A-59440, and the requirements herein with respect to their individual illustrations, tables, and notes unless otherwise specified by the contract or order.

3.2 Plugs and Stems. Plugs and stems shall be made of the materials annotated herein unless otherwise stated in the contract or order.

3.3 Size. The tables specified herein list the permissible variation in dimensions for each individual illustration. The external dimensions of the cocks should not limit procurement unless the end applications restrict these dimensions. Aside from the external dimensions of the cocks, all other requirements shall remain in effect unless otherwise stated in the contract or order.

#### 4. REGULATORY REQUIREMENTS.

4.1 Recycled/Recovered Materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

Beneficial Comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Defense Supply Center, Columbus, ATTN: DSCC-VAI, 3990 East Broad Street, Columbus, OH 43216-5000, or telephone (614) 692-0538.

FSC 4820

5. QUALITY ASSURANCE PROVISIONS.

5.1 Product Conformance. The products provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

6. PACKAGING.

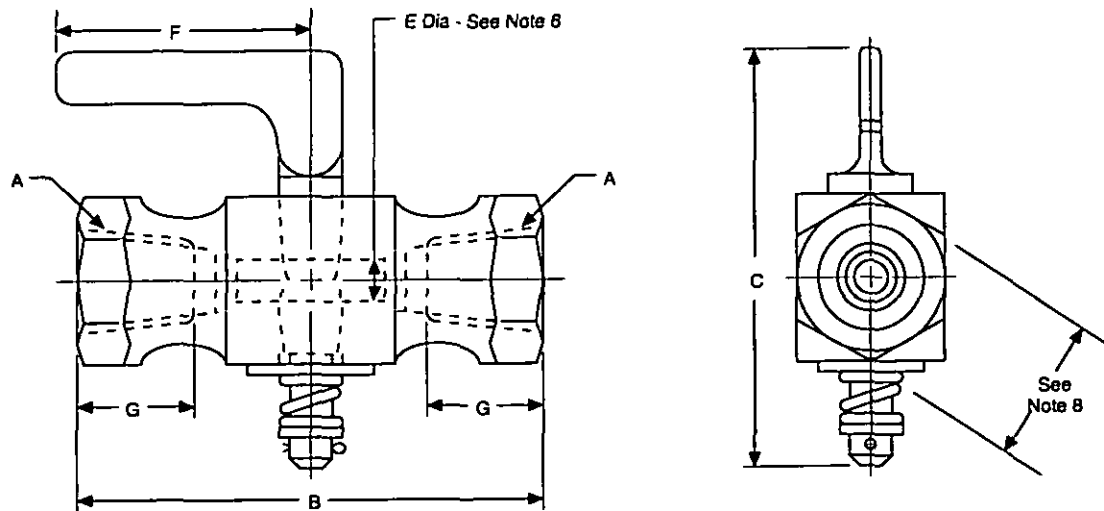
6.1 Preservation, Packing, and Marking. Preservation, packing, and marking shall be specified in the contract or order.

7. NOTES.

7.1 Part Identification Number (PIN). The PIN consists of the CID specification sheet number and the corresponding dash number given in this CID specification sheet for the particular type of cock required. Example: AA59440/8-032.

7.2 Ordering Data. Ordering data shall be as specified in A-A-59440.

### Cock, Plug: Spring Key, Threaded Type 50 psig WOG\* at 150° F



Dash No.	A Pipe Thread NPTF	B Max	C Max	E Min	F Max	G Max
032	1/8 - 27	1.75	1.94	0.18	1.38	0.38
033	1/4 - 18	2.12	2.06	0.19	1.38	0.56
034	3/8 - 18	2.44	2.44	0.19	1.69	0.56
035	1/2 - 14	3.00	2.56	0.25	2.12	0.75

#### Notes:

1. **Material:** Brass conforming to Non-Government Standards (NGS) ASTM-B121, ASTM-B38, ASTM-B16, ASTM-B16M, and ASTM-B124, Alloy Numbers 268, 360, B5, or Alloys covered under NGSs ASTM-B22, B30, B61, B62, B66, B67, B148, B176, B271, B369, B427, B505, B584, B763, B770, B806, and SAE-AMS4842, AMS4845, AMS4855, AMS4860, AMS4862, AMS4890. Spring shall be Phosphor-Bronze conforming to NGSs ASTM-B134, ASTM-B159, ASTM-B159M, ASTM-B206, and ASTM-B206M, or Alloy Number 510
2. **Protective Coating:** None.
3. **Threads:** Threads shall be in accordance with NGSs ANSI B1.20.3 and ANSI B1.20.5.
4. **Dimensions:** Unless otherwise specified all dimensions are in inches.
5. **Test Pressures:** Shell 80 psig, Seat 10 psig
6. Oval port having same cross sectional area is acceptable.
7. Reference documents shall be of the issue in effect on date of invitations for bid.
8. This item is for use in liquid or gas systems where the pressure does not exceed 50 psig WOG at 150° F and the liquid or gas is compatible with brass.
9. Measurement across flats of Hexagonal Wrench Pad shall be a standard measurement under 1.25 inches.
10. The illustration is for identification purposes only and is not intended to restrict designs and shapes not dimensioned.

\* Water, oil, and gas.

Figure 1. Cock, Plug, Spring Key, Threaded Type.

Table I  
NSN/MS PART NUMBER/CID PIN EXTENSION/COMMERCIAL PART NUMBER TRACKING RECORD

COMPANY				Parker-Hannifin Corp.	Anderson Brass Co.	Lukenheimer Co.
CAGE CODE				93061	70411	37239
NSN	MS SHEET	SPEC. SHEET	CID PIN EXT			
4820-01-068-2983	MS35930-1	A-A-59440/8	032	V403P-2-2	H132C-J	1037-1/8
4820-00-277-1765	MS35930-2	A-A-59440/8	033	V403P-4-4	H132C-L	1037-1/4
4820-01-011-4067	MS35930-3	A-A-59440/8	034	V403P-6-6	132C-N	1037-3/8
4820-00-448-5221	MS35930-4	A-A-59440/8	035		132C-P	1037-1/2

## MILITARY INTERESTS:

## Custodians:

Army - AR  
Navy - SH  
Air Force - 99  
DLA - CC

CIVIL AGENCIES AND COORDINATING ACTIVITIES:  
GSA – FSS

Preparing activity:  
DLA – CC

(Project 4820-0778-19)

## Review activities:

Army - AT, CR4, GL, MI  
Navy - MC